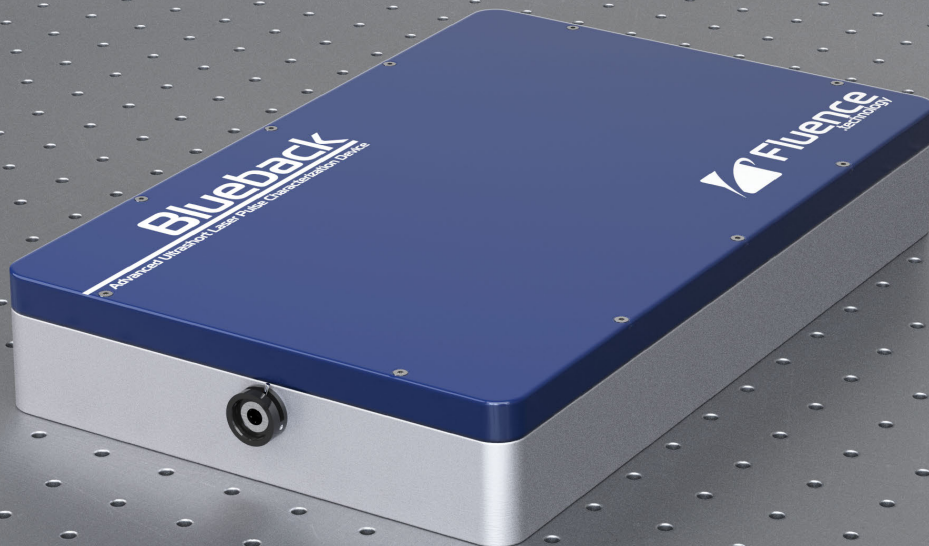


Ultrafast lasers that simply work

FOR INDUSTRY, SCIENCE AND MEDICINE

Blueback

SPIDER Based Laser Pulse Characterization Device



Blueback is a real-time ultrashort laser pulse characterization device specifically engineered to provide a high-resolution measurement for ultrafast oscillators and amplifiers. It is an essential piece of equipment for everyone who depends on accurate information about properties of their ultra-short pulses. With Blueback you get more than just a single result. You can watch your pulse evolving in real time.

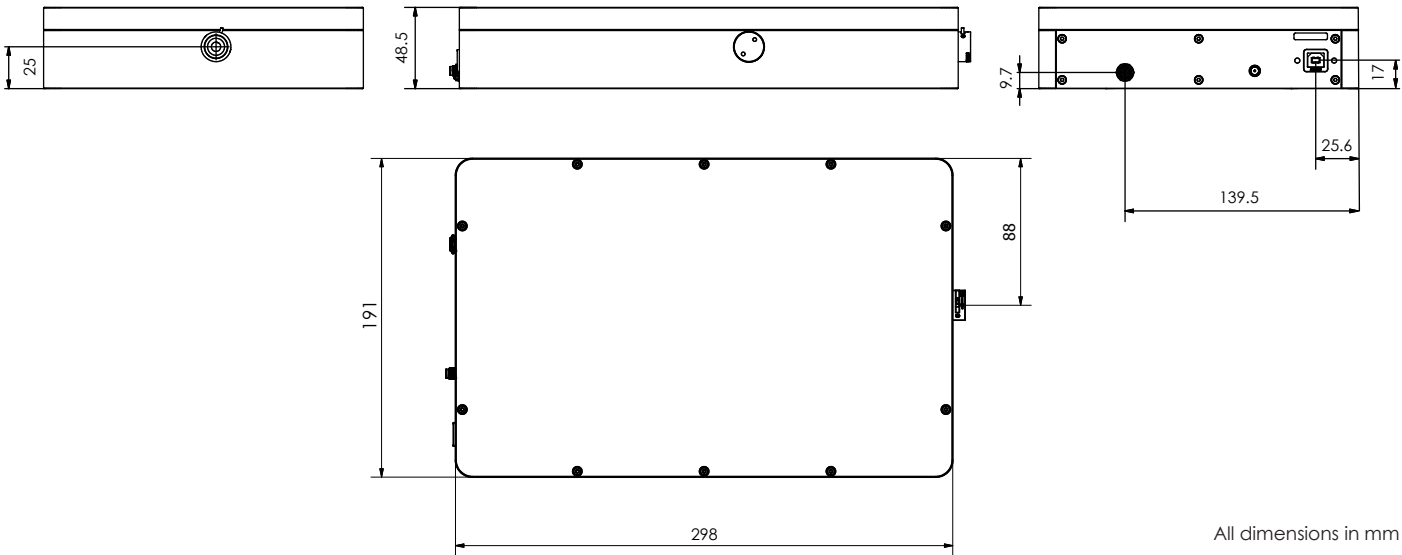
Technical specification:

Fourier transform-limited pulse duration	50 – 400 fs
Maximum chirped pulse duration	4 ps
Input central wavelength	1010 – 1060 nm (other on request)
Repetition rate	1 kHz – 200 MHz
Sensitivity	> 0.5 nJ at 80 MHz >100 nJ at 1 kHz
Input polarization	Linear, vertical
Integrated high-resolution spectrometer (USB 2.0)	Included
User-friendly software and manual	Included
Automated crystal tuning for various input wavelengths	Optional

Not exactly what you are looking for?
 Get in touch with us and let us help you out.

Physical specification:

Size (including spectrometer)	430 (L) x 200 (W) x 55 (H) mm ³
Electrical	
Manual version	USB powered (5 V, 500 mA)
Automated version	100 – 240 V AC, 50 – 60 Hz, < 70 W
Operating temperature	15 – 25 °C
Operating humidity	Non-condensing



All specifications are subject to change without prior notice due to continuous improvements.